

## MEDIDAS DE TENDENCIA CENTRAL

INSTRUCCIONES: Observa la siguiente tabla y completa lo que falta y calcula la media, moda y mediana. Utiliza las siguientes formulas:

|                                                     |                                                                               |                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Media<br>$\bar{x} = \frac{\sum_{i=1}^k f_i M_i}{n}$ | Moda<br>$\hat{x} = L + \left( \frac{\Delta_1}{\Delta_1 + \Delta_2} \right) c$ | Mediana<br>$\tilde{x} = L + \left( \frac{n/2 - F_a}{f_{\tilde{x}}} \right) c$ |
|-----------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|

| INTERVALO | $f_i$ | $M_i$ | $F_i$ | $F_a$ |
|-----------|-------|-------|-------|-------|
| 0 - 10    | 5     |       |       |       |
| 10 - 20   | 12    |       |       |       |
| 20 - 30   | 21    |       |       |       |
| 30 - 40   | 27    |       |       |       |
| 40 - 50   | 31    |       |       |       |
| 50 - 60   | 35    |       |       |       |
| 60 - 70   | 21    |       |       |       |
| 70 - 80   | 14    |       |       |       |
| 80 - 90   | 9     |       |       |       |
| 90 - 100  | 5     |       |       |       |
| SUMAS     |       |       |       |       |

Mediana:

$$\bar{x} = \frac{\sum_{i=1}^k f_i M_i}{n} = \frac{\square}{\square} =$$

Moda:

$$\hat{x} = L + \left( \frac{\Delta_1}{\Delta_1 + \Delta_2} \right) c = \text{---} + \left( \frac{(\quad)}{(\quad) + (\quad)} \right) (\quad) =$$

Mediana:

$$\tilde{x} = L + \left( \frac{n/2 - F_a}{f_{\tilde{x}}} \right) c = \text{---} + \left( \frac{\square/2 - (\square)}{\square} \right) (\square) =$$

Nombre \_\_\_\_\_ Grupo \_\_\_\_\_